



A Touchstone Energy Cooperative 

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COMMISSION

March 14, 2014

Mr. Kyle Willard
Director of Engineering
Kentucky Public Service Commission
P. O. Box 615
Frankfort, KY 40602-0615

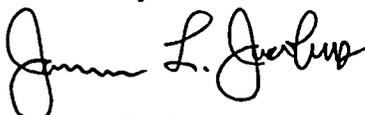
**Re: ADMINISTRATIVE CASE NO. 2006-00494
AN INVESTIGATION OF THE RELIABILITY MEASURES OF KENTUCKY'S
JURISDICTIONAL ELECTRIC DISTRIBUTION UTILITIES AND CERTAIN
RELIABILITY MAINTENANCE PRACTICES**

Dear Mr. Willard:

Enclosed is Inter-County Energy Cooperative's Annual Report of Reliability pursuant to Public Service Commission Case No. 2006-00494 dated October 26, 2007.

If you have further questions or comments, please direct those to David Phelps, Vice President-Operations. His direct line is 859-936-7818 or email to davidp@intercountyenergy.net.

Sincerely,



James L. Jacobus
President/CEO

INTER  **COUNTY**
ENERGY COOPERATIVE

A Touchstone Energy Cooperative 

Administrative Case No. 2006-00494

March 14, 2014

Electric Distribution Utility Annual Reliability Report

- Contact Information
- Report Year
- Major Event Days
- System Reliability Results
- Outage Cause Categories
- Worst Performing Circuits
- Vegetation Management Plan Review
- Utility Comments

Electric Distribution Utility Annual Reliability Report

SECTION 1: CONTACT INFORMATION

UTILITY NAME	1.1	<u>Inter-County Energy</u>
REPORT PREPARED BY	1.2	<u>David Phelps</u>
E-MAIL ADDRESS OF PREPARER	1.3	<u>davidp@intercountyenergy.net</u>
PHONE NUMBER OF PREPARER	1.4	<u>859-236-4561 ext. 7818</u>

SECTION 2: REPORT YEAR

CALENDAR YEAR OF REPORT	2.1	<u>2013</u>
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SECTION 3: MAJOR EVENT DAYS

T_{MED}	3.1	<u>12.85091</u>
FIRST DATE USED TO DETERMINE T_{MED}	3.2	<u>Jan. 1, 2008</u>
LAST DATE USED TO DETERMINE T_{MED}	3.3	<u>Dec. 31, 2012</u>
NUMBER OF MED IN REPORT YEAR	3.4	<u>3</u>

NOTE: Per IEEE 1366 T_{MED} should be calculated using the daily SAIDI values for the five prior years.

SECTION 4: SYSTEM RELIABILITY RESULTS

Excluding MED

SAIDI	4.1	<u>77.01</u>
SAIFI	4.2	<u>0.92</u>
CAIDI	4.3	<u>83.52</u>

Including MED (Optional)

SAIDI	4.4	<u>143.27</u>
SAIFI	4.5	<u>1.11</u>
CAIDI	4.6	<u>128.52</u>

Notes:

- 1) All duration indices (SAIDI, CAIDI) are to be reported in units of minutes.
- 2) Reports are due on the first business day of April of each year
- 3) Reports cover the calendar year ending in the December before the reports are due.
- 4) IEEE 1366 (latest version) is used to define SAIDI, SAIFI, CAIDI, and T_{MED}

Electric Distribution Utility Annual Reliability Report

SECTION 5: OUTAGE CAUSE CATEGORIES

Excluding MED

CAUSE CODE DESCRIPTION	SAIDI VALUE	CAUSE CODE DESCRIPTION	SAIFI VALUE
Animals 5.1.1	39.75	Animals 5.2.1	0.5040
Lightning 5.1.2	23.95	Lightning 5.2.2	0.2772
High Wind 5.1.3	9.86	Equip. Failure 5.2.3	0.1059
Equip. Failure 5.1.4	6.81	High Wind 5.2.4	0.1002
Deteriorated 5.1.5	6.09	Cars or Trucks 5.2.5	0.0561
Cars or Trucks 5.1.6	4.26	Deteriorated 5.2.6	0.0477
Insulation broke 5.1.7	3.09	Insulation broke 5.2.7	0.0213
Vegetation/Trees 5.1.8	1.93	Vegetation/Trees 5.2.8	0.0205
Trees Cut Into Line 5.1.9	1.04	Trees Cut Into Line 5.2.9	0.0112
Equipment OL 5.1.10	0.02	Equipment OL 5.2.10	0.0002

SECTION 6: WORST PERFORMING CIRCUITS

CIRCUIT IDENTIFIER	SAIDI VALUE	MAJOR OUTAGE CATEGORY
Loretto(8)-Spencer H.(1)	6.1.1 10.79	Lightning
Marion Industrial(12)-TBMK(2)	6.1.2 8.58	Trees Cut Into Line
Marion Industrial(12)-Industrial(3)	6.1.3 8.14	Equipment failure
Highland(3)-Ottenham(1)	6.1.4 3.40	High Wind
Peytons Store (5)-Jacktown(1)	6.1.5 2.93	Caused by Others
Ballard (2)-ParadiseCamp(3)	6.1.6 2.77	Lightning
Gooch(11)-Danville(3)	6.1.7 2.58	Equipment failure
Lancaster(1)-Buckeye/ConnLn(2)	6.1.8 2.53	Equipment failure
Lancaster(1)-LexRoad/Old52(1)	6.1.9 2.17	Lightning
T. Adams (10)-Dixville(2)	6.1.10 2.07	Deteriorated

CIRCUIT IDENTIFIER	SAIFI VALUE	MAJOR OUTAGE CATEGORY
Marion Industrial(12)-TBMK(2)	6.2.1 9.667	Trees Cut Into Line
Marion Industrial(12)-Industrial(3)	6.2.2 8.900	Equipment failure
Loretto(8)-Spencer H.(1)	6.2.3 7.370	Lightning
Gooch(11)-CrabOrchard(2)	6.2.4 3.338	Caused by Others
Highland(3)-Ottenham(1)	6.2.5 3.276	High Wind
Lancaster(1)-LexRoad/Old52(1)	6.2.6 2.216	Lightning
Gooch(11)-Danville(3)	6.2.7 1.903	Equipment failure
Lancaster(1)-Buckeye/ConnLn(2)	6.2.8 1.776	Equipment failure
Shelby City(4)-Alum Springs(4)	6.2.9 1.669	Animals
Garrard(13)-Paintlick(1)	6.2.10 1.422	Lightning

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Additional pages may be attached as necessary

SECTION 7: VEGETATION MANAGEMENT PLAN REVIEW

Inter-County Energy completed the first year of its 5 year vegetation management plan. Inter-County Energy is closely monitoring the results of the first year of our second cycle.

SECTION 8: UTILITY COMMENTS